

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
ELOOR



District

ERNAKULAM



State

KERALA



Existing AMRUT City

No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	SUBHASH K R	ASSISTANT ENGINEER	048425455559	9847457954	eloorme@gmail.com
Mayor.Pre	A D SUJIL	NA	04842545210	9349257144	eloomunicipalitycn@gmail.com
Municipal.C/C.Ofc	SUBASH P K	NA	04842545669	9645506712	eloomunicipality@gmail.com
Head,W.S/S.De	ANIL AUGUSTINE	NA	04842550244	9496033306	kwakalamassery@gmail.com
HOD/P.H.de	VICTOR JOSEPH	NA		9567057481	eloorphckm@gmail.com

Parastatal Agency

Any parastatal agency engaged? : **Yes**

No. Of Parastatal Agency : **1**

#	Organization name	Nodal officer name	Designation	Landline no.	Mobile no.	E-mail ID
1	KERALA WATER AUTHORITY	ANIL AUGUSTINE	AEE	04842550244	9496033306	kwakalamassery@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	36722	Households (Census 2011)	9159	City area (sq. km.)	11.21
Wards in city	31	Slum settlements (No.)	0	Industries (No.)	8
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	41256	Households in 2021(no.)	12783
Population density	3680	Slum population in 2021	0	Slum households 2021	0

Future Projection

City population in 2025	43801	Households in 2025	15340	Slum households in 2025	0
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Engineering College/ Organization/ Experts Working in Water Sector in the ULB

#	Type	Entity name	Nodal officer name	Landline no.	Mobile no.	E-mail ID
1	Organization	kerala water authority	Anil Augustine		9496033306	kwakalamassery@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Sewage Treatment Plant/ Water Treatment Plant	FACT WTP ELOOR	
2	Sewage Treatment Plant/ Water Treatment Plant	KWA PLANT ALUVA	
3	Sewage Treatment Plant/ Water Treatment Plant	TCC ELOOR	
4	Water Body	Edampadam kulam	
5	Water Body	Ayyankulam	
6	Women Self Help Group	Dhanalakshmi W 12	
7	Women Self Help Group	Nila Kudumbasree	
8	Women Self Help Group	Snehasadas Kudumbasree	
9	Women Self Help Group	Ushas Kudumbasree	

Water Supply

Major Water Sources Details

#	Type	Name / Location	No. of water tapping points	Quantity of water tapped in MLD	Location outside	Distance in km.
1	River	PERIYAR	1	4.5	Yes	5
2	River	PERIYAR	1	2.6	No	NA
3	River	PERIYAR	1	0.35	No	NA

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	ALUVA- a portion quantity	4.5	4.5	PERIYAR, PERIYAR, PERIYAR	Other(Conventional rapid sand filter water clay flocculation)
2	FACT - a portion quantity	2.6	2.6	PERIYAR, PERIYAR, PERIYAR	Other(AERATION, COAGULATION, FLOCCULATION, SEDIMENTATION, FILTRATION, DISINFECTION etc.)
3	TCC - a portion quantity	0.35	0.35	PERIYAR, PERIYAR, PERIYAR	Other(AERATION, COAGULATION, FLOCCULATION, SEDIMENTATION, FILTRATION, DISINFECTION etc.)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	5418	5418	6
2	Commercial Establishments	57	NA	1.45
3	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	6	Water supply directly through tankers in MLD	0.006	Water supply through tubewell & borewell in MLD	0
Treated water supply in MLD	0	Total water supply in MLD	6.006	Average per capita water supply in LPCD	342.854

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	8	Commercial establishments	1.5	Industries	0
Institutional establishments	0	Slums	0	Total	9.5
Are you going to met the 100% future demand through subsurface water source?	Yes	How much future demand in MLD will be met through subsurface water source?	NA		

WB Rejuvenation & RWH

Rainwater Harvesting (RWH)

Is rainwater harvesting included in bylaws?	Yes	Status	Implemented	No. of water tanks at religious places in your city	0
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Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	Edampadam	0.002			Bad	Yes
2	Water Body	Puranchal	0.002			Bad	No
3	Water Body	Vithayathil	0.001			Bad	No
4	Water Body	Panachi thodu	0.005			Bad	No
5	Water Body	Valiyachaal thodu	0.002			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4.805	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0	Sewage treated through STP in MLD	0

Septage Coverage

No. of households covered	0	Sewage generated in MLD	0	Sludge treated through FSSM in KLD	0	Grey water recycled in MLD	0
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Sewage Treatment Plants (STP)

#	Location of STP	Designed capacity in MLD	Operational capacity in MLD	Reused capacity in MLD	Reuse purpose	Revenue from reused water	Automatic monitoring?	Technology used
No data available in table								

City Water Balance Plan Summary

Current Infrastructure assets/supply FY21-22 (A)		Projected consumption/demand FY25-26 (B)		Estimated gap FY25-26 (C)= (B)-(A)	
Water Supply					
Water supplied to households	6.006	Water demand	9.5	Gap in water supply	3.494
Water treatment capacity	7.45	Water to be treated	9.5	Gap in water treatment	2.05
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	5418	Total households including slums	15340	Gap in households tap connections including slums	9922
Used Water					
Used water being treated	0	Used water generation	6.4	Gap in used water treatment	6.4
Used water being recycled	0	Used water to be recycled (20%)	1.28	Gap in used water recycling	1.28
Sewer connections provided (including coverage with septage management)	0	Total households	15340	Gap in household sewer connections/ coverage with septage management	15340